



## ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18  
Stylesheet Version v18.0

Title of Invention	POWERED ORTHOTIC DEVICE						
Application Number:		10/718913					
Confirmation Number:		2397					
First Named Applicant:		John McBean					
Attorney Docket Number:		MIT-152AUS					
Search string:		( 5466213 ).pn.					
<b>US Patent Documents</b>							
Note: Applicant is not required to submit a paper copy of cited US Patent Documents							
init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
/MB/	1	5466213	1995-11-14	Hogan et al			
<b>Signature</b>							
Examiner Name				Date			
/Michael Brown/				04/03/2007			

PTO/SB/08B (02-03)

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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

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Sheet

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Attorney Docket Number

MIT-152AUS

Application Number	10/718,913
Filing Date	November 21, 2003
First Named Inventor	John M. McBean
Art Unit	3764
Examiner Name	Not Yet Assigned

OTHER PRIOR ART-NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
/MB/		Benjuya et al.; "Hybrid Arm Orthosis;" American Academy of Orthotists and Prosthetists, Journal of Prosthetics & Orthotics; <a href="https://web.mit.edu/activejointbrace/Private/priorart3.html">https://web.mit.edu/activejointbrace/Private/priorart3.html</a> ; pages 1-3	
		Brown et al.; "The Exoskeleton Glove for Control of Paralyzed Hands;" 1993 IEEE; 1050-4729/93; pages 642-647	
		Harwin et al.; "A Review of Design Issues in Rehabilitation Robotics with Reference to North American Research;" IEEE Transactions on Rehabilitation Engineering, Vol. 3, No. 1, March 1995; 1063-6528/95; pages 3-13	
		Horiguchi et al.; "An Upper Limb Motion Assist System: Experiments with Arm Models;" Proceedings of the 1998 IEEE/RSJ Int'l Conference on Intelligent Robots and Systems, Victoria, B.C., Canada; October 1998; 0-7803-4465-0/98; pages 758-763	
		Johnson et al.; "Development of a Mobility Assist for the Paralyzed, Amputee, and Spastic Patient;" 1996 IEEE; 0-7803-3131-1/96; pages 67-70	
		Kawamoto et al.; "Comfortable Power Assist Control Method for Walking Aid by HAL-3;" 2000 IEEE SMC TP1B2; 6 sheets	
		Kiguchi et al.; "An Exoskeletal Robot for Human Elbow Motion Support-Sensor Fusion, Adaptation, and Control;" IEEE Transactions on Systems, Man, and Cybernetics-Part B: Cybernetics, Vol. 31, No. 3, June 2001; 1083-4419/01; pages 353-361	
		Krebs et al.; "Robot-Aided Neuro-Rehabilitation in Stroke: Three-Year Follow-Up;" ICORR '99 International Conference on Rehabilitation Robotics, Stanford, CA; pages 34-41	
		Krebs et al.; "Increasing Productivity and Quality of Care: Robot-Aided Neuro-Rehabilitation;" Journal of Rehabilitation Research and Development Vol. 37, No. 6, November/December 2000; <a href="https://web.mit.edu/activejointbrace/Private/priorart28.html">https://web.mit.edu/activejointbrace/Private/priorart28.html</a> ; pages 1-14	
↓		Krebs et al.; "Robot-Aided Neurorhabilitation;" IEEE Transactions on Rehabilitation Engineering, Vol. 8, No. 1, March 1998; 1083-6528/98; pages 75-87	

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Sheet	2	of	2	Attorney Docket Number	MIT-152AUS

**OTHER PRIOR ART-NON PATENT LITERATURE DOCUMENTS**

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/MB/		Lee et al.: "Power Assist Control for Walking Aid with HAL-3 Based on EMG and Impedance Adjustment Around Knee Joint;" Proceedings of the 2002 IEEE/RSJ Int'l Conference on Intelligent Robots and Systems, EPFL, Lausanne, Switzerland, October 2002; 2002 IEEE; 0-7803-7398-7-02; pages 1499-1504	
		Morita et al.; "Basic Study on Rehabilitation Support System for Upper Limb Motor Function;" AMC 2002 - Maribor, Slovenia; 0-7803-7479-7/02; 2002 IEEE; pages 127-132	
		Rosen et al.: "A Myosignal-Based Powered Exoskeleton System;" IEEE Transaction Systems, Man, and Cybernetics-Part AP Systems and Humans, Vol. 31, No. 3, May 2001; 1083-4427/01; 2001 IEEE; pages 210-222	
		Sellktar et al.; "Evaluation of Functional Capabilities of People with Muscular Dystrophy as Potential Users of Power Orthoses;" ASME Summer Bioengineering Conference; 1999, June 16-20, Big Sky Montana; 2 sheets	
		Umetani et al.; "Skil Mate". Wearable Exoskeleton Robot; 1999 IEEE; 0-7803-5731-0/99; pages IV-984 to IV-988	
		Wiegner et al.; "Design of a Triceps Orthosis for C5/C6 Quadriplegics;" 0-7803-0785-2/92; pages 1485-1486	

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Filing Date	November 21, 2003
First Named Inventor	John M. McBean
Art Unit	3764
Examiner Name	Not Yet Assigned
Attorney Docket Number	MIT-152AUS

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/MB/		Benjuya et al.; "Hybrid Arm Orthosis;" American Academy of Orthotists and Prosthetists, Journal of Prosthetics & Orthotics: <a href="https://web.mit.edu/activejointbrace/Private/priorart/3.html">https://web.mit.edu/activejointbrace/Private/priorart/3.html</a> ; pages 1-3		
		Brown et al.; "The Exoskeleton Glove for Control of Paralyzed Hands;" 1993 IEEE; 1050-4729/93; pages 642-647		
		Harwin et al.; "A Review of Design Issues in Rehabilitation Robotics with Reference to North American Research;" IEEE Transactions on Rehabilitation Engineering, Vol. 3, No. 1, March 1995; 1063-6528/95; pages 3-13		
		Homma et al.; "An Upper Limb Motion Assist System: Experiments with Arm Models;" Proceedings of the 1998 IEEE/RSJ Int'l Conference on Intelligent Robots and Systems, Victoria, B.C., Canada; October 1998; 0-7803-4465-0/98; pages 758-763		
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EXAMINER'S REPORT ON PATENT LITERATURE DOCUMENTS		
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